

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference R 43494	FOR FURTHER ACTION	
	see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/004059	International filing date (day/month/year) 16/04/2004	(Earliest) Priority Date (day/month/year) 17/04/2003
Applicant IGENEON KREBS-IMMUNTHERAPIE FORSCHUNGS- UND . . .		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box II).

3. **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

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International application No.

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. type of material
 - a sequence listing
 - table(s) related to the sequence listing
 - b. format of material
 - in written format
 - in computer readable form
 - c. time of filing/furnishing
 - contained in the international application as filed
 - filed together with the international application in computer readable form
 - furnished subsequently to this Authority for the purpose of search
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/004059A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K39/395 C07K16/42 C12N15/63

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category [°]	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X ✓	WO 03/097663 A (HIMMLER GOTTFRIED ; KIRCHEIS RALF (AT); LOIBNER HANS (AT); IGENEON KRE) 27 November 2003 (2003-11-27) the whole document ----- EP 0 759 442 A (ONCOGEN) 26 February 1997 (1997-02-26) the whole document -----	1-34
X ✓		1-34 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- A document defining the general state of the art which is not considered to be of particular relevance
- E earlier document but published on or after the international filing date
- L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- O document referring to an oral disclosure, use, exhibition or other means
- P document published prior to the international filing date but later than the priority date claimed

- T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- & document member of the same patent family

Date of the actual completion of the international search

25 November 2004

Date of mailing of the international search report

01/12/2004

Name and mailing address of the ISA

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Hermann, P

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/004059

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ✓	SALEH M ET AL: "Generation of a human anti-idiotypic antibody that mimics the GD2 antigen" JOURNAL OF IMMUNOLOGY, THE WILLIAMS AND WILKINS CO. BALTIMORE, US, vol. 151, no. 6, 15 September 1993 (1993-09-15), pages 3390-3398, XP002091381 ISSN: 0022-1767 the whole document -----	1-34
X ✓	BRUMEANU T -D ET AL: "Engineering of doubly antigenized immunoglobulins expressing T and B viral epitopes" IMMUNOTECHNOLOGY (AMSTERDAM), vol. 2, no. 2, 1996, pages 85-95, XP004052673 ISSN: 1380-2933 abstract page 89, right-hand column, paragraph 2 - page 95, left-hand column, paragraph 2 -----	1-34
X ✓	DE 100 59 930 A (FISCHER PETER ; UTTERNREUTHER FISCHER MARTINA (DE)) 29 May 2002 (2002-05-29) paragraph '0005! - paragraph '0007!; figure 1 -----	1-34
A ✓	EP 0 285 059 A (WISTAR INST) 5 October 1988 (1988-10-05) the whole document -----	1-34
A ✓	WAXENECKER G ET AL: "QUALITATIVE AND QUANTITATIVE DISSECTION OF THE IMMUNE RESPONSE TO THE CANCER VACCINE CANDIDATES IGN101 AND IGN301" PROCEEDINGS OF THE ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH, NEW YORK, NY, US, vol. 43, March 2002 (2002-03), page 560, XP001154274 ISSN: 0197-016X abstract -----	1-34
A ✓	WALLICK C S ET AL: "GLYCOSYLATION OF A VH RESIDUE OF A MONOCLONAL ANTIBODY AGAINST ALPHA(1-6) DEXTRAN INCREASES ITS AFFINITY FOR ANTIGEN" JOURNAL OF EXPERIMENTAL MEDICINE, TOKYO, JP, vol. 168, September 1988 (1988-09), pages 1099-1109, XP000983430 ISSN: 0022-1007 the whole document -----	1-34
		-/-

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A ✓	WO 00/41722 A (IGENEON GMBH ; LOIBNER HANS (AT); ECKERT HELMUT (CH)) 20 July 2000 (2000-07-20) the whole document -----	1-34
A ✓	WO 93/24647 A (SANDOZ AG ; SCHOLZ DIETER (AT); JAKSCHE HERBERT (AT); JANZEK EVELYNE () 9 December 1993 (1993-12-09) the whole document -----	1-34
A ✓	WO 01/35989 A (HIMMLER GOTTFRIED ; LOIBNER HANS (AT); IGENEON KREBS IMMUNTHERAPIE FO) 25 May 2001 (2001-05-25) the whole document -----	1-34

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Information on patent family members

International Application No

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